Author Index to Volume 48

Alexander-Bridges, M., 129
Ascari, William Q., 172

Baier, Thomas G., 81
Bajzer, Zeljko, 203
Bianchi, Antonella, 86
Biegel, Diane, 98
Blair, Harry C., 401
Bogardus, Clifton, 337
Boggs, John M., 367
Bolaffi, Janice L., 3
Boulvain, A., 150
Bourner, Maureen J., 215
Boyd, A.E., III, 234
Briggs, J.A., 190
Briggs, R.C., 190
Brown, Eric J., 81
Brown, S.B., 411
Burrus, G.R., 190
Busby, Walker H., Jr., 215

Calberg-Bacq, C.M., 150
Cantau, P., 141
Carlson, John C., 296
Chin, Janice E., 12
Clemmons, David R., 215
Coats, Steven R., 242
Cutroneo, Kenneth R., 172

de Grandpre, Louise, 316
Desnick, Robert J., 172
Dieter, Peter, 288
Dong, Yi Jie, 269
Durbec, P., 61
Duyster, Justus, 288

Ellem, K.A.O., 411
Ercolani, Louis, 129
Etingin, Orli R., 393
Evans, Joseph L., 86

Fitzke, Edith, 288
Foidart, J.M., 150
Frattali, Anne L., 43
Friday, Karen, 393

Gennarini, G., 61
Goetzl, Edward J., 367
Goldfine, Ira D., 1, 81
Goldstein, Barry J., 33
Goldwasser, Eugene, 269
Grodsky, Gerold M., 3
Guzman, Noberto A., 172

Hajjar, David P., 393
Hartmann, Klaus K.P., 81
Hasegawa, Kohji, 424
Hickey, Eileen, 277
Holguin, Raisa, 248

Itakura, Keiichi, 296, 305

Jacobs, Steven, 136

Kagnoff, Martin F., 316
Kahn, Barbara B., 122
Karim, Omer M.A., 373
Klip, Amira, 51
Kong, X.F., 129
Koo, Catherine H., 367
Kovacina, Kristina, 12
Kozawa, Osamu, 262
Krause, D., 411
Krivi, Gwen G., 215
Kronenwett, Michael, 81
Kumar, Poornima, 344
Kung, Charles, 269

Lambert, C.A., 150
Lapiere, C.M., 150
Larrick, James W., 344
Lian, Jane B., 277
Lillioja, Stephen, 337
Lissitzky, J.C., 141

Magnuson, Mark A., 115
Marette, André, 51
Martin, P.M., 141
McCaffrey, Michael, 316
McCusker, Robert H., 215
McGary Carl T., 73
Mendelson, Michelle A., 367
Monteith, Gregory, 356
Morris, Michael B., 356
Mostwin, Jacek L., 373
Moxham, Cary P., 136

Munaut, C., 150

Nasrin, Nargis, 129
Nicholson, Andrew C., 393
Nicolson, Garth L., 162
Noel, A., 150
Nordlund, Ann-Charlotte, 86
Nusgens, B., 150

Oberdorf, Annette M., 277
Oiso, Yutaka, 262
Olson, J.E., 242
Omary, M. Bishr, 316
Owen, Thomas A., 277

Pachter, Joel S., 98
Papa, Vincenzo, 81
Pessin, Jeffrey E., 43
Pienta, Kenneth J., 373
Pilch, Paul, 1
Pledger, W.J., 242
Pomerantz, Kenneth B., 393

Raffaniello, Robert D., 107
Raufman, Jean-Pierre, 107
Robertson, Paul R., 227
Rosenthal, Stephen M., 81
Roth, Richard A., 12
Roufogalis, Basil D., 356
Rougon, G., 61

Sawada, Masaaki, 296
Schlesinger, Paul H., 401
Schulze-Specking, Agnes, 288
Seki, Narihito, 373
Sester, Ulrike, 296
Shakoori, Abdul Rauf, 277
Shen, Naiping, 344
Sherman, Jeffrey W., 367
Shinki, Toshimasa, 424
Shionome, Manabu, 424
Siegel, Ned R., 215
Stein, Gary S., 277
Stein, Janet L., 277
Suda, Tatsuo, 424
Summers, Barbara D., 393
Sung, Chin K., 26, 324

Takahashi, Naoyuki, 424
Tam, Albert W., 344
Tan, Hong-Lin, 401
Teitelbaum, Steven L., 401
Théveniau, M., 61
Tokuda, Haruhiko, 262
Townsend, E., 411
Treadway, Judith L., 43
Tressler, Robert J., 162

Varma, Madhu, 344
Vuk-Pavlović, Stanimir, 203

Wall, Doris A., 248
Watts, Thomas D., 86
Weber, Lee A., 277
Weigel, Paul H., 73
Whitson, Robert H., Jr., 296,305
Witters, Lee A., 86
Wolff, Andrew A., 393
Wood, J.N., 61
Wright, J.T., 385
Wright, Susan C., 344

Yannariello-Brown, Judith, 73
Yip, Cecil C., 19

Zhang, Bei, 12

Subject Index to Volume 48

Adhesion, 141
Adipocyte, 424
Adipocyte differentiation, 385
Adipogenesis, 424
Affinity cross-linking, 269
Aging, 296
Alternative RNA splicing, 115
Aminopeptidases, 411
Anti-insulin receptor antibody, 26, 324
Apoptosis, 344
Arachidonic acid, 262, 367
ATP-sensitive K^+ channels, 234
Atherosclerosis, 393
Autophosphorylation, 43

Beryllium, 356
Beta cells, 234
Binding protein, 215
Bone, 277
Bone resorption, 401

Calcium, 296
Calcium channel blocker, 393
Calcium ions, 73
Capillary electrophoresis, 172
CD4, 316
CD44, 316
Cell adhesion, 162
Cell cycle, 242, 305
Cell fractionation, 248
Cell growth, 215
Cell membrane, 367
Cell surface proteases, 411
Cell-cell interaction, 150
Chemotaxis, 367
Chicken hepatic lectin, 248
Chimeric receptor, 19
Cognate peptide substrate, 411
Collagen biosynthesis, 172
Cyclic AMP, 393
Cyclooxygenase, 393
Cytochalasin D., 373
Cytoskeletal framework, 98
c-*myc*, 242

Desensitization, 3
Desferrioxamine, 356
Desmoplasia, 150
Diabetes, 51
Diabetes mellitus, 337
Differentiation, 61
Differentiation-dependent gene expression, 129
Dimethylsulfoxide, 316
Discocyte, 356
DNA fragmentation, 344
DNA synthesis, 373

Echinocyte, 356
Endocytosis, 73, 203, 356
Endopeptidases, 411
Erythropoietin, 269
Extracellular matrix, 150

FACS, 385
Factor regulation, 411
Fatty acid, 86
Fibroblasts, 242

GAPDH, 129
Gallium, 401
Gene regulation, 277
Gene transcription, 115, 129
Genetics, 337
Glucokinase, 115
Glucose toxicity, 51
Glucose transport, 122
Glucose transporters, 51
Glycoprotein, 172, 248
Glycosylation site binding protein, 172
GPI-anchored molecules, 61
Growth inhibitors, 305
Growth regulation, 215

HeLa cells, 411
Hexokinase, 115
Hexose transporter, 122
HL-60 cells, 277
Hormone regulation, 129
Hormones, 107
Hyaluronic acid, 73
Hypercalcemia, 401
hsp27, 277
hsp60, 277
hsp70, 277
hsp89α, 277
hsp89β, 277

IGF-I receptor, 19, 81
Immunoaffinity chromatography, 190
Immunofluoresence, 385
In vitro assembly, 43
Inflammation, 367
Insulin, 51, 129
Insulin/IGF-1 hybrid receptor, 43
Insulin action, 122
Insulin receptor, 12, 19, 33, 136
Insulin resistance, 33, 136, 337
Insulin secretion, 3, 227
Insulin secretion model, 3
Insulin-binding domain, 19
Insulin-like growth factor receptor, 136
Interferon, 190
Intermediate filaments, 98
Iodothyronine-5'-monodeiodinase, 172
Ion channels, 234
Islet, 115

Kinetic models, 203
KS1/4, 316

Laminin, 141
LDL, 393
LDL-receptor, 393
Lipid peroxidation, 296
Liver, 115
Lysosomes, 248

Macrophages, 288
Mediator, 367
Membrane fluidity, 296
Metabolism, 61
Metastasis, 162
Microfilaments, 98
Monoclonal antibody, 385
mRNA, 9
Multiplier hypothesis, 227
Mutant receptors, 26, 324
Myeloid differentiation, 190

NADPH oxidase, 288
Nested models, 203
Neuronal cells, 61
NIDDM, 227
Nile Red, 86
Non-tyrosine kinase pathways, 26
Nuclear matrix, 373
Nuclear protein, 190

OKT-3, 81
Osteoblast, 262, 401
Osteoporosis, 401, 424

PDGF-AA, 242
PDGF-BB, 242
Pepsinogen secretion, 107
Peptide maps, 136
Peptides, 190
PGI_2, 393
PHA, 81
Phorbol ester, 288
Phosphate analogue, 356
Phosphatidylinositol kinases, 12
Phosphoinositide-specific phospholipase C, 172
Phospholipase A_2, 262, 288
Phospholipids, 424
Phosphoprotein phosphates, 33
Pig, 385
Pima Indians, 337
Polyribosomes, 98
Preadipocyte, 424
Preprotein processing, 411
preproTGF$_\alpha$, 411
Product profiling, 411
Proliferation, 277
Prostaglandins, 288
Protein disulfide isomerase, 172
Protein kinase C, 3, 262
Protein phosphorylation, 33, 86
Protein synthesis, 296
Protein tyrosine kinase, 43
Protein tyrosine phosphatases, 33
p55-thyroid hormone binding protein, 172

Receptor antibodies, 136
Receptor binding, 269
Receptor tyrosine kinase, 324
Receptor-mediated endocytosis, 248
Receptors, 73, 162, 242
Regulatory coupling, 203
Retinoblastoma susceptibility protein, 305
Reuber hepatoma, 86
Reversed-phase HPLC, 190

S6 kinase, 324
Secretion kinetics, 3
Signal transduction, 107, 367
Smooth muscle, 215, 373
Somatomedins, 215
Staurosporine, 288
Stomach, 107
Stomatocyte, 356
Stroma reaction, 150
Structure-function, 141
Substrate phosphorylation, 43
Sulfonylurea, 234
Sulfonylurea receptor, 234
Superoxide radical, 296
SW620 cells, 316

T-cells, 81
TGF-β_1, 305
Thin layer chromatography, 411
TNF, 344
Transdominant negative mutations, 136
Translocation, 107, 122
Triacylglycerol, 424
Triglycerides, 86
Tumor cells, 150, 162
Type II diabetes (NIDDM), 122
Tyrosine kinase, 12, 136

U937, 344

Vascular smooth muscle, 393
Vitamin D derivatives, 424
Voltage-dependent calcium channels, 234